

CLAIM AMENDMENTS

IN THE CLAIMS

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

1. (Currently Amended) A conductor for liquid-cooled windings comprising an insulating sheathing which has at least two layers and surrounds the conductor as a whole, wherein ~~at least one layer of the sheathing~~ an inner layer of said at least two layers surrounds the conductor so as to cover it completely, and wherein an outer layer of said at least two layers ~~of the sheathing~~ has openings, meshes or frayed sections.

2. (Currently Amended) A conductor according to claim 1, wherein at least one of the layers of the sheathing is formed by being wound around the conductor.

3. (Currently Amended) A conductor according to claim 1, wherein at least one of the layers layer of the sheathing ~~apart from the outer layer~~ is made from paper.

4. (Previously Presented) A conductor according to claim 1, wherein the outer layer is made from perforated paper.

5. (Previously Presented) A conductor according to claim 1, wherein the outer layer is formed by a tape which is slit at regular intervals at one edge so as to form lugs protruding at the edge, said tape being made from paper.

6. (Previously Presented) A conductor according to claim 1, wherein the outer layer is formed by a net or woven fabric, which is made from a plastic.

7. (Previously Presented) A conductor according to claim 6, wherein the net or the woven fabric has individual meshes having a diameter of between 1 mm and 15 mm or between 1.5 mm and 5 mm.

8. (Previously Presented) A conductor according to claim 1, wherein the outer layer has openings having a diameter of between 2 mm and 10 mm, or between 3 mm and 7 mm.

9. (Currently Amended) A conductor according to claim 1, wherein the outer layer covers a proportion of between 30% and 80% of the inner layer-lying therebeneath.

10. (Currently Amended) A conductor according to claim 1, wherein, ~~owing to the inner layer-or layers, which completely cover(s) the conductor, of the sheathing, a coating having has~~ a thickness of between 0.1 mm and 2 mm, or between 0.2 mm and 1 mm~~[[,]]-is formed.~~

11. (Cancelled)

12. (Previously Presented) A conductor according to claim 1, wherein the conductor has a rectangular cross section of between 0.2 cm² and 40 cm².

13. (Previously Presented) A liquid-cooled transformer or liquid-cooled inductor coil containing at least one winding comprising a conductor according to Claim 1.

14. (Previously Presented) A transformer according to claim 13, wherein a mineral oil, or an ester liquid surrounding the conductor is provided as the coolant.

15. (Previously Presented) A conductor according to claim 1, wherein each layer of the sheathing is formed by being wound around the conductor.

16. (Currently Amended) A conductor for liquid-cooled transformer windings comprising an insulating sheathing which has at least two layers and surround[[s]] the conductor, wherein at least ~~one~~ an inner layer of said at least two layers of the sheathing

completely surround the conductor, and an outer layer of said at least two layers of the sheathing has openings, meshes or frayed sections.

17. **(Currently Amended)** A conductor according to claim 16, wherein at least one of ~~the sheathing~~ said two layers is formed by being wound around the conductor.

18. **(Currently Amended)** A conductor according to claim 16, wherein at least one ~~layer of the sheathing apart from the outer layer of said two layers~~ is made from paper.

19. **(Previously Presented)** A conductor according to claim 16, wherein the outer layer is formed by a tape which is slit at regular intervals at one edge so as to form lugs protruding at the edge, said tape being made from paper.

20. **(Currently Amended)** A conductor according to claim ~~[[1]]~~ 16, wherein the outer layer is formed by a net or woven fabric, which is made from a plastic.